List of all claims showing changes made in the Claims:

Claims 1, 9, 40, 41, 43 & 44 have been amended. New Claims 46-51 have been added.

1. (Currently Amended) A device for monitoring sterilization with ethylene oxide comprising: at least one layer of ~~polymer~~, a polymeric binder of acidic or neutral pH having incorporated therein

a) an indicator capable of undergoing at least one color change upon rise of pH

b) an activator for said indicator, said activator having an anion and a monovalent cation, which, when contacted with ethylene oxide, ~~at a pH between 5 and 7~~ undergoes a pH raising reaction wherein the product of said reaction causes said indicator to undergo said color change.

2. (Original) The device of claim 1 wherein the said indicator comprises at least one member of the group consisting of pigments, dyes, precursors of said dyes, and mixtures of any of the foregoing group members.

3. (Original) The device of claim 2 wherein the said indicator is a pH-sensitive dye.

4. (Original) The device of claim 3 wherein the said indicator is bromothymol blue, bromocresol purple, methyl red, ethyl red, naphtholthelein or mixtures thereof.

5. (Original) The device of claim 1 wherein the said indicator undergoes a yellow-to-blue, red-to-yellow or red-to-blue color change.

6. (Original) The device of claim 1 wherein said polymer is soluble in an organic solvent.

7. (Original) The device of claim 1 wherein said polymer is soluble in water or is water dispersible.

8. (Original) The device of claim 7 wherein said polymer is a homopolymer, or a copolymer or a mixture thereof.

9. (Previously Amended) The device of Claim 8 wherein said polymer is a polymer of styrene, acrylate, acrylic acid, acrylamide, vinyl acetate, vinyl alcohol, vinyl chloride, or a mixture thereof.

10. (Original) The device of claim 9 wherein the polymer is an acrylate polymer.

11. (Original) The device of claim 6 wherein the polymer is cellulose nitrate or carboxymethylcellulose.

12.-39. (Cancelled)

40. (Currently Amended) A process of using a device for monitoring sterilization of materials, said device comprising
at least one layer of ~~polymer~~ a polymeric binder of acidic or neutral pH , having incorporated therein
a) an indicator capable of undergoing at least one color change when subjected to a rise in pH,
b) an activator for said indicator, said activator having a monovalent cation, which, when contacted with ethylene oxide at ~~a pH of between 5 and 7~~, undergoes a pH raising reaction_wherein the product of said reaction causes a rise in pH, said rise in pH causing said indicator to undergo said color change,
comprising the steps of
c) affixing the device to said materials or containers containing same
d) carrying out the process of sterilization including the step of introducing ethylene oxide and
e) observing the presence of a color change of said device.

41. (Currently Amended) A process of using a device for monitoring ethylene oxide, said device comprising
at least one layer of ~~polymer~~ a polymeric binder of acidic or neutral pH , having incorporated therein
a) an indicator capable of undergoing at least one color change when subjected to a

rise in pH,

b) an activator for said indicator, said activator having a monovalent cation, which, when contacted with ethylene oxide ~~at a pH of between 5 and 7~~, undergoes a reaction wherein the product of said reaction causes a rise in pH_1 said rise in pH causing said indicator to undergo said color change,

comprising the steps of

c) exposing the device to ethylene oxide,

d) observing the presence of color change in the device.

42. (Previously Amended) The process of claim 40 wherein the cation is selected from the group consisting of lithium, sodium, potassium, cesium, quaternary nitrogen, quaternary phosphorus and quaternary sulfur.

43. (Currently Amended) The process of claim 40 wherein the anion is selected from the group consisting of bisulfite, bisulfate, halide, nitrite, nitrate, phenolate, phosphate, sulfate, sulfide, and sulfite~~, and~~.

44. (Currently Amended) The process of claim 41 wherein the anion is selected from the group consisting of bisulfite, bisulfate, halide, nitrite, nitrate, phenolate, phosphate, sulfate, sulfide, sulfite~~, and~~ .

45. (Previously Amended) The process of claim 41 wherein the cation is selected from the group consisting of lithium, sodium, potassium, cesium, quaternary nitrogen, quaternary phosphorus and quaternary sulfur.

46. (New) The device of claim 1 wherein the rise in pH is up to 5 pH units.

47. (New) The device of claim 1 wherein the rise in pH is about 2 pH units.

48. (New) The process of claim 40 wherein the rise in pH is up to 5 pH units

49. (New) The device of claim 40 wherein the rise in pH is about 2 pH units.